of a high-definition television set without passing through the PCI bus 20. Here, because a degree of resolution in the CRT 22 is almost the same as or higher than that in the HDTV monitor 23, the HDTV picture can be clearly displayed on the CRT 22 of the personal computer 11.

As is described above, in the first embodiment, the HDTV picture of the digital broadcast signal is received and decoded in the receiving board 12, and the HDTV picture or the output picture of the personal computer 11 is selected in the selector switch 21 and is output to the CRT 22 of the personal computer 11. Therefore, the HDTV picture of the digital broadcast signal can be displayed on the CRT 22 of the personal computer 11 without passing through the PCI bus 20. Accordingly, the HDTV picture can be displayed in real time.

Also, in the first embodiment, a tuner or a monitor for the digital HDTV broadcasting is not additionally arranged in the digital broadcast receiving device, but the receiving board 12 is set into the personal computer 11. Accordingly, a user can entertain the HDTV picture displayed on the CRT 22 or the HDTV monitor 23 without additionally using a high expensive device such as a tuner or a monitor.

In the first embodiment, the receiving board 12 is inserted into a slot of the personal computer 11. However, it is applicable that a personal computer card having the same function as that of the receiving board 12 be inserted into a slot of the personal computer 11. In the personal computer card, semiconductor integrated circuits are arranged.

EMBODIMENT 2

In the first embodiment, the HDTV picture is displayed on the CRT 22 or the HDTV monitor 23. In contrast, in a second embodiment, the HDTV picture is compressed to a normal picture conforming to NTSC (National Television System Committee) system, PAL (phase alternating by line) system or SECAM (Sequential Couleur a Memoire) color television system, the normal picture is recorded in the graphic card 19 through the PCI bus 20, and the normal picture recorded in the graphic card 19 is selected in the selector switch 21 under the control of the CPU 17 and is displayed on the CRT 22 or the HDTV monitor 23.

Accordingly, in the second embodiment, because a data quantity of the normal picture is considerably smaller than that of the HDTV picture, the normal picture can be reliably recorded in the graphic card 19 through the PCI bus 20, and a user can entertain the normal picture displayed on the CRT 22 or the HDTV monitor 23 at any time when the user desires to view the normal picture.

EMBODIMENT 3

In the first embodiment, the HDTV picture is demultiplexed from the digital broadcast signal in the demultiplexer 14. In contrast, in a third embodiment, contents of a data broadcast signal and an electronic program guide are demultiplexed from the digital broadcast signal in the demultiplexer 14, and the contents of the data broadcast signal and the electronic program guide are sent to the CPU 17 through the PCI bus 20. Thereafter, the contents of the data broadcast signal and the electronic program guide are processed in the CPU 17 and are stored

in a memory of the CPU 17. Thereafter, the contents of the data broadcast signal and the electronic program guide of the CPU 17 are sent to the CRT 22 and are displayed on the CPU 17.

Accordingly, in the third embodiment, a user can select a favorite program listed in the electronic program guide, and the user can entertain the contents of the data broadcast signal corresponding to the favorite program.